WR-35 API # 47-109-03092

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name : Walker Operator Well No. : 1

LOCATION: Elevation: 1578.02' Quadrangle: Oceana

District: Oceana County: Wyoming

Latitude: 5,144 Feet South of 37 Deg. 42 Min. 30 Sec.

Longitude: 1,932 Feet West of 81 Deg. 37 Min. 30 Sec.

RECEIVED
Office of Oil & Gas
JAN 02 2013
WV Department of
Environmental Protection

Company: Classic Oil and Gas Resources
416 West Brannon Road
Nicholasville, KY 40356-8845

Agent: ROBERT INGHRAM

Inspector: Barry Stollings
Permit Issued: 07-15-09
Well Work Commenced: 09-03-09
Well Work Completed: 11-15-09
Verbal Plugging
Permission granted on: N/A
Rotary X Cable _____ Rig
Total Depth (feet) 3894'
Fresh water depths (ft) None

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): No Record

Casing & Tubing	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
Size 12 3/4"	27'	27'	n/a
9 5/8"	0'	0'	n/a
7"	1157'	1157'	147 sks
4 1/2"	3274'	3274'	198sks

OPEN FLOW DATA

Producing formation Big Lime, L. Max., M. Max., Rav. Pay zone depth (ft) See Back

Gas: Initial open flow 400 MCF/d Oil: Initial open flow s0 Bbl/d

Final open flow 750 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests n/a Hours

Static rock Pressure 400 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between inital and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1).DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) . THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

CLASSIC OIL & GAS RESOURCES, INC.
BY: William Kelly
Date: May 7, 2010

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

10/01/09: 3 Stage frac with Schlumberger: Big Lime 2976'-78' (15 shots) - 2900 gal 15% HCl - energized with 35,200 Scf N2, staged with 100 bbl TW, BDP 3839#, ATP 553#, AIR 12 BPM, ISIP 331. Lower Maxton 2468'-76' (17 shots) - 70Q Foam Frac, 40,681# 20/40 sand, 279 bbl total fluid, 392,900 Scf N2, BDP 4076#, ATP 2430#, AIR 20 BPM, ISIP 1160#. Middle Maxton 2242'-46' (14 shots) - 70Q foam frac - 25,377# 20/40 sand, 184 bbl total fluid, 197,100 Scf N2, BDP 4086#, ATP 1935#, AIR 15.5 BPM, ISIP 984#. Flow back to pit on choke.

Final openflow 750 Mcf, SICP 400#.

FORMATION	TOP	BOTTOM	OIL, GAS, WATER
Pennsylvanian Sands, shales, coals	0'	1098 '	
Princeton	1640'	1678'	
Ravencliff	1724'	1868'	
Upper Maxton	1937'	2000'	
Middle Maxton	2240'	2247'	
Lower Maxton	2449'	2514'	
Big Lime	2660'	3044'	
Injun	----	----	
Weir	----	----	
Berea	3576'	3609'	
Gordon	3747'	3760'	
Devonian Shale	3760'	3894' TD	Gas at TD -400 Mcf

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 4-5-2012
API #: 47-051-01275

Farm name: Arthur Waryck 6H Operator Well No.: 627265

LOCATION: Elevation: 1,335' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1,550' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 9/510' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	1286'	1286'	1381 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2690'	2690'	1119 Cu. Ft.
Inspector: Bill Hendershot	5 1/2"	12315'	12315'	1851 Cu. Ft.
Date Permit Issued: 4-29-2009				
Date Well Work Commenced: 1-7-2010				
Date Well Work Completed: 8-26-2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7139'				
Total Measured Depth (ft): 12315'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 700', 1030', 1151'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,445' - 12,168'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 3,747 MCF/d Final open flow 70 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 4,640 psig (surface pressure) after _____ Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlene Williams
Signature

7-24-2012
Date

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____
LWD GR from 6400-12315' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth
Surface:

JUL 25 2012

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Name (Well Number): Arthur Waryck 6H (627265)

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
8/3/2010	11,846	12,168	8/3/2010	11,846	12,168	Slk Wtr	11,593	Sand	481,000	83.0
8/5/2010	11,446	11,768	8/5/2010	11,446	11,768	Slk Wtr	7,982	Sand	483,900	90.0
8/8/2010	11,046	11,368	8/8/2010	11,046	11,368	Slk Wtr	8,681	Sand	494,700	88.0
8/9/2010	10,646	10,968	8/9/2010	10,646	10,968	Slk Wtr	10,362	Sand	485,500	86.0
8/10/2010	10,246	10,568	8/10/2010	10,246	10,568	Slk Wtr	9,971	Sand	489,000	86.0
8/11/2010	9,846	10,168	8/11/2010	9,846	10,168	Slk Wtr	14,117	Sand	481,500	80.0
8/12/2010	9,446	9,768	8/12/2010	9,446	9,768	Slk Wtr	10,636	Sand	482,100	87.0
8/13/2010	9,046	9,368	8/13/2010	9,046	9,368	Slk Wtr	8,488	Sand	479,000	86.0
8/14/2010	8,646	8,968	8/14/2010	8,646	8,968	Slk Wtr	12,498	Sand	490,700	86.0
8/16/2010	8,246	8,568	8/16/2010	8,246	8,568	Slk Wtr	7,644	Sand	389,100	84.0
8/17/2010	7,846	8,168	8/17/2010	7,846	8,168	Slk Wtr	8,901	Sand	483,700	84.0
8/18/2010	7,446	7,768	8/18/2010	7,446	7,768	Slk Wtr	8,146	Sand	476,100	85.0

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 7139 ft TVD @ 12315 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	570	570
SHALE	570	570	700	700
SH/LS/COAL	700	700	800	800
SHALE/SS	800	800	1030	1030
COAL/SH	1030	1030	1070	1070
SHALE	1070	1070	1151	1151
PITTSBURG COAL	1151	1151	1158	1158
SHALE	1158	1158	1210	1210
SS/LS/SH	1210	1210	1280	1280
SH/LS	1280	1280	1460	1460
SS/LS	1460	1460	1690	1690
SHALE/COAL	1690	1690	1930	1930
SS	1930	1930	2230	2230
BIG LIME (LS)	2230	2230	2307	2307
BIG INJUN (SS)	2307	2307	2550	2550
SHALE	2550	2550	7046	6934
GENESEO (SH)	7046	6934	7105	6973
TULLY (LS)	7105	6973	7190	7021
HAMILTON (SH)	7190	7021	7341	7083
MARCELLUS (SH)	7341	7083		
TD OF LATERAL			12315	7139

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6-12-2012
API #: 47-051-01274

Farm name: Arthur Waryck 8H Operator Well No.: 627266

LOCATION: Elevation: 1335' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1560' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 9500 Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	1282'	1282'	1313 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2,651'	2,651'	1183 Cu. Ft.
Inspector: Tristan A. Jenkins	5 1/2"	12,451'	12,451'	1767 Cu. Ft.
Date Permit Issued: 4-29-2009				
Date Well Work Commenced: 12-5-2009				
Date Well Work Completed: 8-26-2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,236'(cement plug 5623')				
Total Measured Depth (ft): 12,457'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 700', 1030', 1151'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,494' - 12,216'
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 3,780* MCF/d Final open flow 35 Bbl/d
Time of open flow between initial and final tests 24 Hours *Calculated
Static rock Pressure 4,631* psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Marlen Williams
Signature

7-24-2012
Date

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, neutron, density, and resistivity
open hole logs run from 0-7236' MD; LWD GR from 6556-12405' MD.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s): Cement plug @ 5,623'

Formations Encountered: Top Depth / Bottom Depth
Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 627266 Arthur Waryck 8H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
8/2/2010	11,894	12,216	8/4/2010	11,894	12,216	Slk wtr	8,226	Sand	480,000	81.3
8/4/2010	11,494	11,816	8/5/2010	11,494	11,816	Slk wtr	8,250	Sand	480,200	86
8/5/2010	11,094	11,416	8/6/2010	11,094	11,416	Slk wtr	12,177	Sand	533,000	88
8/6/2010	10,694	11,240	8/7/2010	10,694	11,240	Slk wtr	27,129	Sand	455,100	73
8/12/2010	10,286	10,616	8/13/2010	10,286	10,616	Slk wtr	15,061	Sand	474,800	70
8/13/2010	9,894	10,216	8/16/2010	9,894	10,216	Slk wtr	8,395	Sand	482,100	81
8/16/2010	9,494	9,816	8/17/2010	9,494	9,816	Slk wtr	9,994	Sand	478,500	85
8/17/2010	9,094	9,416	8/18/2010	9,094	9,416	Slk wtr	9,134	Sand	487,200	82
8/18/2010	8,694	9,016	8/19/2010	8,694	9,016	Slk wtr	9,502	Sand	486,300	83
8/19/2010	8,294	8,616	8/20/2010	8,294	8,616	Slk wtr	10,068	Sand	477,000	84
8/20/2010	7,894	8,216	8/21/2010	7,894	8,216	Slk wtr	11,212	Sand	479,400	84
8/21/2010	7,494	7,832	8/22/2010	7,494	7,832	Slk wtr	10,478	Sand	480,400	84

VERTICAL PILOT HOLE

Formation/Lithology	Top Depth, TVD/MD (ft)	Bottom Depth, TVD/MD (ft)
SS/LS	0	570
SHALE	570	700
SH/LS/COAL	700	800
SHALE/SS	800	1030
COAL/SH	1030	1070
SHALE	1070	1151
PITTSBURG COAL	1151	1158
SHALE	1158	1210
SS/LS/SH	1210	1280
SH/LS	1280	1460
SS/LS	1460	1690
SHALE/COAL	1690	1930
SS	1930	2230
BIG LIME (LS)	2230	2307
BIG INJUN (SS)	2307	2550
SHALE	2550	6984
GENESEO (SH)	6984	7003
TULLY (LS)	7003	7025
HAMILTON (SH)	7025	7115
MARCELLUS (SH)	7115	7165
ONONDAGA (LS)	7165	
TD OF PILOT HOLE		7236

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	570	570
SHALE	570	570	700	700
SH/LS/COAL	700	700	800	800
SHALE/SS	800	800	1030	1030
COAL/SH	1030	1030	1070	1070
SHALE	1070	1070	1151	1151
PITTSBURG COAL	1151	1151	1158	1158
SHALE	1158	1158	1210	1210
SS/LS/SH	1210	1210	1280	1280
SH/LS	1280	1280	1460	1460
SS/LS	1460	1460	1690	1690
SHALE/COAL	1690	1690	1930	1930
SS	1930	1930	2230	2230
BIG LIME (LS)	2230	2230	2307	2307
BIG INJUN (SS)	2307	2307	2550	2550
SHALE	2550	2550	7011	6956
GENESEO (SH)	7011	6956	7032	6973
TULLY (LS)	7032	6973	7123	7040
HAMILTON (SH)	7123	7040	7202	7088
MARCELLUS (SH)	7202	7088		
TD OF LATERAL			12457	7125

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 7-23-2012 ✓
API #: 47-051-01273

Farm name: Arthur Waryck 10H Operator Well No.: 627267

LOCATION: Elevation: 1,335' Quadrangle: Wileyville

District: Meade County: Marshall
Latitude: 1,560' Feet South of 39 Deg. 45 Min. 00 Sec.
Longitude 9,490' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Chesapeake Appalachia, L.L.C.

Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Oklahoma City, OK 73154-0496	13 3/8"	1284'	1284'	1352 Cu. Ft.
Agent: Eric Gillespie	9 5/8"	2690'	2690'	1155 Cu. Ft.
Inspector: Tristan Jenkins	5 1/2"	12, 585'	12,585'	1772 Cu. Ft.
Date Permit Issued: 4-29-2009				
Date Well Work Commenced: 2/3/2010				
Date Well Work Completed: 8/26/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 7,152'				
Total Measured Depth (ft): 12,585'				
Fresh Water Depth (ft.): 220'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 1123'				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,638' - 12,440'
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow 4,797* MCF/d Final open flow 112 Bbl/d *Calculated
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 4,649* psig (surface pressure) after ____ Hours

JUL 2[illegible]

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature Date 7/24/2012

Were core samples taken? Yes_____ No N Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list LWD GR from 6572-12528' MD

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

(See Attached)

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

(See Attached)

PERFORATION RECORD ATTACHMENT

Well Number and Name: 627267 Arthur Waryck 10H

PERFORATION RECORD			STIMULATION RECORD							
	Interval Perforated					*Fluid*		*Propping Agent*		Average
Date	From	To	Date	Interval Treated		Type	Amount	Type	Amount	Injection
3/18/2010	12,118	12,440	8/4/2010	12,118	12,440	Slk wtr	7,385	Sand	480,600	83.3
8/5/2010	11,709	11,848	8/5/2010	11,709	12,040	Slk wtr	17,266	Sand	480,500	81
8/7/2010	11,318	11,640	8/9/2010	10,318	11,640	Slk wtr	18,647	Sand	400,000	76
8/9/2010	10,918	11,240	8/11/2010	10,918	11,240	Slk wtr	11,050	Sand	480,000	86
8/11/2010	10,518	10,840	8/15/2010	10,518	10,840	Slk wtr	14,885	Sand	379,800	89
8/14/2010	10,198	10,440	8/19/2010	10,198	10,440	Slk wtr	8,493	Sand	387,100	78
8/19/2010	9,878	10,120	8/20/2010	9,878	10,120	Slk wtr	8,342	Sand	386,700	82
8/20/2010	9,558	9,800	8/21/2010	9,558	9,800	Slk wtr	8,450	Sand	385,800	84
8/21/2010	9,238	9,480	8/22/2010	9,238	9,480	Slk wtr	10,160	Sand	386,700	83
8/22/2010	8,918	9,160	8/23/2010	8,918	9,160	Slk wtr	8,627	Sand	385,200	81
8/23/2010	8,598	8,840	8/23/2010	8,598	8,840	Slk wtr	8,709	Sand	389,400	81
8/23/2010	8,278	8,520	8/24/2010	8,278	8,520	Slk wtr	8,538	Sand	330,000	75
8/24/2010	7,958	8,200	8/24/2010	7,958	8,200	Slk wtr	8,353	Sand	417,000	84
8/24/2010	7,638	7,880	8/25/2010	7,638	7,880	Slk wtr	7,229	Sand	373,300	82

JUL 2

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)

Maximum TVD of wellbore: 7152 ft TVD @ 12585 ft MD

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
SS/LS	0	0	570	570
SHALE	570	570	700	700
SH/LS/COAL	700	700	800	800
SHALE/SS	800	800	1030	1030
COAL/SH	1030	1030	1070	1070
SHALE	1070	1070	1151	1151
PITTSBURG COAL	1151	1151	1158	1158
SHALE	1158	1158	1210	1210
SS/LS/SH	1210	1210	1280	1280
SH/LS	1280	1280	1460	1460
SS/LS	1460	1460	1690	1690
SHALE/COAL	1690	1690	1930	1930
SS	1930	1930	2230	2230
BIG LIME (LS)	2230	2230	2307	2307
BIG INJUN (SS)	2307	2307	2550	2550
SHALE	2550	2550	7110	6962
GENESEO (SH)	7110	6962	7145	6983
TULLY (LS)	7145	6983	7262	7037
HAMILTON (SH)	7262	7037	7518	7094
MARCELLUS (SH)	7518	7094		
TD OF LATERAL			12585	7152

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Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 07/31/2012
API #: 47-103-02580

Farm name: SIZEMORE, DONNA Operator Well No. : JAMES SIZEMORE 1H

LOCATION: Elevation: 1150' Quadrangle: Littleton 7.5'

District: Center County: Wetzel
Latitude: 7,655' Feet South of 39 Deg. 40 Min. 00 Sec.
Longitude: 8,290' Feet West of 80 Deg. 30 Min. 00 Sec.

Company: Grenadier Energy Partners, LLC

Address: **CT Corportion** **707 Virginia Street East 15th Floor** **Charleston, WV 25301**	Casing & Tubing	Used In Drilling	Left in well	Cement fill up Cu. Ft
Agent: **Dianna Stamper**	24"	40'	40'	Grouted In
Inspector: Dave Scranage	16"	423'	423'	483 cu.ft (CTS)
Date Permit Issued: 10/01/2010	11-3/4"	1432'	1432'	903 cu.ft (CTS)
Date Well Work Commenced: 12/09/10	8-5/8"	2499'	2499'	729 cu.ft (CTS)
Date Well Work Completed: 07/04/11	5-1/2"	10,584'	10,584'	2145 cu.ft (CTS)
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7360'				
Total Measured Depth (ft): 10,640'				
Fresh Water Depth (ft): Est.165'				
Salt Water Depth (ft): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft): N/A				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Shale Pay zone depth (ft) 7535' - 10515' MD
Gas: Initial open flow 5997 MCF/d Oil: Initial open flow -- Bbl/d
Final open flow -- MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final test -- Hours
Static rock Pressure 4425 psig (surface pressure) after 168 Hours

Second Producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature Date 7/31/12

Were core samples taken? Yes_____No X___ Were cuttings caught during drilling? Yes X_No_____

Were Y___Electrical, N_ Mechanical, N___ or Geophysical logs recorded on this well? GR-Dual Laterlog
Y/N Y/N Y/N GR-Photo Density-Compensated Neutron

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

1.) Perforated Intervals, Fracturing or Stimulation

Perforations: Total Perforated Interval 7,535 – 10,515'
Fluid: 80,216 bbl Slickwater pumped in 8 Stages
Sand: 1,753,480 lbs 100 mesh sand, 1,740,906 lbs 40/70 sand

2.) Well Log

Formation/Lithology	From	To
Silt & Shale	0	1040
Red Rocks	1040	1095
Sand & Shale	1095	1931
Salt Sand	1931	2000
Shale	2000	2057
Big Lime	2057	2150
Big Injun	2150	2356
Silt & Shale	2356	2900
Gordon Stray Ss	2900	2910
Silt and Shale	2910	2938
Gordon Ss	2938	2991
Silt and Shale	2991	3030
Fourth Gordon ss	3030	3042
Silt and Shale	3042	6444
Rhinestreet	6444	6872
Sonya Sh	6872	7002
Genesee Sh	7062	7150
Geneseo Sh	7150	7174
Trully Lm	7174	7178
Hamilton Sh	7178	7303
Marcellus Sh	7303	7351
Onondaga	7351	N/A